METHOD TO PROVIDE CACHE MANAGEMENT COMMANDS IN A SYSTEM SUPPORTING CACHEABLE DMAS

ABSTRACT

The present invention provides a method and a system
5   for providing cache management commands in a system
supporting a DMA mechanism and caches. A DMA mechanism is
set up by a processor. Software running on the processor
generates cache management commands. The DMA mechanism
carries out the commands, thereby enabling the software
10   program management of the caches. The commands include
commands for writing data to the cache, loading data from
the cache, and for marking data in the cache as no longer
needed. The cache can be a system cache or a DMA cache.